

IN THE CLAIMS

1 (Currently Amended). A method comprising:

releasably plugging a heat sink assembly into a printed circuit board;

plugging an upper portion into a lower portion, said upper portion coupled to said heat sink and said lower portion coupled to a printed circuit board;
telescopically plugging said upper portion into said lower portion; and
releasably plug locking said lower portion in said printed circuit board upon
insertion of said lower portion in said board.

Claims 2-4 (Canceled).

5 (Currently Amended). The method of claim 1-4 including plugging said lower portion into a hole in said printed circuit board.

6 (Currently Amended). The method of claim 1-3 including engaging a catch on said lower portion with a spring biased rod in said upper portion.

7 (Original). The method of claim 6 including releasing said catch by rotating said rod.

8 (Original). The method of claim 7 including preventing rotation of said rod.

9 (Original). The method of claim 8 wherein preventing rotation includes using a flanged end on said rod which engages a releasable lock.

10 (Original). The method of claim 9 including using an extending end of said rod opposite said flanged end of said rod to engage said catch and to be released from said catch when said rod is rotated.

11 (Currently Amended). A method comprising:

arranging a heat sink assembly to releasably plug into a printed circuit board;

plugging an upper portion of said assembly into a lower portion of said assembly,

said upper portion connectable to a heat sink and said lower portion connectable to a printed circuit board;

enabling said upper and lower portions to telescopically plug into one another; and

enabling said lower portion to releasably plug lock in a printed circuit board upon insertion of said lower portion in said board.

Claims 12-14 (Canceled).

15 (Currently Amended). The method of claim 11 44 including enabling said lower portion to plug into a hole in a printed circuit board.

16 (Currently Amended). The method of claim 11 43 including enabling a spring biased rod in said upper portion to engage a catch on said lower portion.

17 (Original). The method of claim 16 including enabling said catch to be released by rotating said rod.

18 (Original). The method of claim 17 including providing a way to prevent rotation of said rod.

19 (Original). The method of claim 18 including providing a flanged end on said rod to engage a releasable lock to prevent rotation of said rod.

20 (Original). The method of claim 19 including providing an extending end on said rod opposite said flanged end of said rod to engage said catch and to be released from said catch when said rod is rotated.

21 (Currently Amended). A heat sink assembly comprising:
a telescoping first portion to engage a printed circuit board;
a telescoping second portion to engage a heat sink to be attached to said printed
circuit board; and

said first portion and said second portion releasably locking together when said first
portion is plugged into said second portion; and

wherein said first portion includes a cammed member that deflects inwardly into
said first portion when said first portion engages a printed circuit board and snaps outwardly after
said first portion is plugged into said printed circuit board, releasably holding said first portion in
said printed circuit board.

Claim 22 (Canceled).

23 (Currently Amended). The assembly of claim 21 22 wherein said first portion
includes a pair of opposed L-shaped catch members.

24 (Original). The assembly of claim 23 wherein said first portion is cylindrical having a
closed end and an open end, said open end to receive said second portion, said closed end
mounting said catches.

25 (Original). The assembly of claim 21 wherein said second portion includes a tubular
member that slides within said first portion.

26 (Original). The assembly of claim 25 wherein said tubular member includes threads to
threadedly secure said second portion to a heat sink.

27 (Original). The assembly of claim 25 including a rod reciprocatable within said tubular
member, said rod having opposed ends, one of said ends to engage the catches in said first portion.

28 (Original). The assembly of claim 27 wherein said rod is spring biased.

29 (Original). The assembly of claim 27 wherein the free end of said rod to releasably engage said catches and to be releasable upon rotation of said rod.

30 (Original). The assembly of claim 29 wherein the upper surface of said tubular member of said second portion includes a locking member to prevent rotation of said rod to release said free end of said rod from said catch in said first portion.

31 (Original). The assembly of claim 21 including a heat sink secured to said second portion.

32 (Original). The assembly of claim 31 including a printed circuit board secured to said first portion.

33 (New). A heat sink assembly comprising:

a telescoping first portion to engage a printed circuit board;

a telescoping second portion to engage a heat sink to be attached to said printed circuit board;

said first portion and said second portion releasably locking together when said first portion is plugged into said second portion;

wherein said second portion includes a tubular member that slides within said first portion; and

wherein said tubular member includes threads to threadedly secure said second portion to a heat sink.

34 (New). The assembly of claim 33 including a rod reciprocatable within said tubular member, said rod having opposed ends, one of said ends to engage the catches in said first portion.

35 (Original). The assembly of claim 34 wherein said rod is spring biased.

36 (Original). The assembly of claim 34 wherein the free end of said rod to releasably engage said catches and to be releasable upon rotation of said rod.

37 (Original). The assembly of claim 36 wherein the upper surface of said tubular member of said second portion includes a locking member to prevent rotation of said rod to release said free end of said rod from said catch in said first portion.